

All American Rear Engine



Technical Specification Highlights

Capacity	<i>Multiple floor plans available with passenger seating up to 90</i>	Rear Window	<i>55" wide x 22" high</i>
Exterior Width	<i>96"</i>	Transmission	<i>Allison® PTS 2500</i>
Interior Width	<i>90 3/4"</i>	Engine	<i>Caterpillar® C7 190 hp</i>
Aisle Width	<i>Varies by floor plan</i>	Tire Size	<i>11R22.5(H)</i>
Skirt Length	<i>19 3/4"</i>	Alternator	<i>200 amp</i>
Interior Headroom	<i>74" standard; 77" optional</i>	Brakes	<i>Air brakes with 4-wheel anti-lock brakes</i>
Overall Height	<i>124" - 127"</i>	Suspension	<i>Front - 13,200 lb. 2-leaf parabolic springs Rear - 19,000 - 23,000 lb. 2-stage leaf springs (rating varies by wheelbase)</i>
Wheelbase	<i>189" / 217" / 245" / 273"</i>	Steering	<i>TAS 65</i>
Step Height (f/r)	<i>Varies</i>	Front Axle	<i>14,600 lb.</i>
Overhang	<i>Front: 85" Rear: 120"</i>	Rear Axle	<i>23,000 lb.</i>
Fuel Tank	<i>60-gallon between the frame rails</i>	Wheel Cut	<i>45°</i>
Entrance Door	<i>30" wide x 78" high / double "full view" outward opening</i>	GVWR	<i>Up to 36,200 lb.</i>

Rely On...



BLUE BIRD

All American Rear Engine Specifications



CHASSIS

- 50,000 psi steel frame rails 9 5/8" high x 3" flanges x 1/4" thick
- Caterpillar® C7 ACERT diesel engine; 190 horsepower
- Allison® automatic transmission, PTS 2500
- Synthetic transmission fluid
- 60 gal. fuel tank between frame rails
- 200 amp alternator
- 11R22.5(H), tires
- Large, easy to read gauges
- 14,600 lb. front axle with 13,200 lb. 2 leaf parabolic spring suspension
- 23,000 lb. rear axle with a two-stage, rear suspension system (rating varies by wheelbase)
- Black rubber coolant hoses with constant torque clamps
- Air brake system
- Anti-lock brakes
- 12" steel front bumper
- Tilt/telescoping steering wheel
- Three "Group 31" batteries
- "Huck spin" fasteners on all permanent frame fixtures

DURABILITY

- All parts are pre-primed or thoroughly rust-proofed after fabrication and before assembly
- Entire underbody (body skirt and floor) is undercoated before mounting on chassis
- Exterior surfaces are painted with heat-cured polyurethane
- Interior surfaces are painted with high-quality, hot-sprayed, baked-on enamel
- 1/2" grade plywood for insulation of the floor
- 1/8" smooth black rubber flooring, 3/16" ribbed rubber aisle
- Black rubber cooling hoses with constant torque clamps
- Synthetic transmission fluid
- 11R22.5(H) tires
- Spicer® "lubed for life" driveline
- Rubber molded wheelhouse
- 14,600 lb front axle with 13,200 lb. 2 leaf parabolic spring suspension
- 23,000 lb. rear axle with a two-stage, rear suspension system (rating varies by wheelbase)
- Rear exit exhaust
- "Huck spin" frame fasteners

STRENGTH

- 14-gauge steel, hat shaped posts and roof bows
- Rigid 16-gauge steel roof longitudinal internal structural members
- 16-gauge, channeled interior steel window headers
- A massive 16-gauge continuous belt of interior steel armor above and below floor line
- Riveted and welded construction
- Four full-length, 16 gauge exterior side rub rails
- 20-gauge fluted exterior side panels
- 22-gauge interior galvalume side panels
- 14-gauge steel floor panels
- 50,000 psi steel chassis frame with permanent fixtures and attached with "Huck Spin" fasteners

SAFETY

- 4-wheel anti-lock brakes
- Dual halogen headlights
- Driver's three-point seat belt with adjustable 7 1/2" pillar loop
- "Full view" outward-opening entrance door with 1,350 square-inch tempered safety glass
- Unencumbered stepwell area
- 9" x 17" oval-shaped, flat and convex rearview mirrors
- 11" x 13" oval shape crossover mirrors with tinted band to reduce glare
- Electric horn with high and low note
- Blue Bird's unitized construction of the passenger compartment
- 12" steel front bumper, 12" steel rear bumper
- Rear exit exhaust
- 8.25 x 22.5 Disc, hub-piloted steel wheels
- 11R22.5(H) tires

SERVICEABILITY

- Engine Compartment: top hinged, aluminum perforated door with gas assist cylinders; 80" wide x 34" high for easy access; remote engine start switch, starter button, compartment light switch, and oil pressure gauge
- Body wiring terminal is easily accessible through exterior electrical compartment
- Wiring is color coded and continuously numbered for easy identification
- Automatic resetting circuit breakers for body wiring
- Tempered glass, split-sash windows
- Grease fittings on emergency door hinges
- Easy-opening, outward opening entrance door; features long-lasting, oil-impregnated, bronze pivotal bearings
- Body wiring is encased in "easy to access" ABS molding above passenger windows
- Rear exit exhaust

COMFORT & CONVENIENCE

- 74" headroom at aisle, front to rear
- Split-sash, tempered windows
- Shaded windshield
- 90,000 btu front heater and defroster
- Power accessory socket for cellular phones, CB radios, etc.
- 1/2" grade plywood for insulation of the floor
- Unencumbered stepwell area
- Full "panoramic" cockpit view
- Full body insulation
- Acoustic headlining (Driver's and 1st Sections)

DRIVER ERGONOMICS

- Power steering with tilt/telescoping column
- Large, easy to read gauges
- Backlit, easy to reach switch panel with rocker switches
- Electric, intermittent single switch windshield wipers
- Wrap around dash with power door control and other convenient switches
- Manual "glide-type" outward opening door
- Driver's 3-point seat belt with 7 1/2" vertical adjustment
- National® fully adjustable driver's seat
- Cruise control

OPTIONAL FEATURES

- Caterpillar® C7 ACERT diesel engine 210-300 hp
- Allison® PTS 3000 Transmission
- Hendrickson® front and rear air ride suspension
- Electric, remote control and heated mirrors
- Laminated glass
- 77" headroom/12" split sash windows
- Dedicated door and wheelchair lifts, along with recessed wheelchair securements for special-needs passengers
- Underfloor luggage compartments with locking doors
- Tinted glass
- Mud flaps
- Vandal locks
- AM/FM/CD Radio with deluxe speakers
- 100 gallon fuel tank

DIMENSIONS

Headroom	74"
Width Exterior	96"
Width Interior	90 3/4"
Skirt Length	19 3/4"
Overall Length	396" - 480"
Overall Height	124" - 127"
Wheelbase/Passenger Capacity	189" = 66 217" = 72 245" = 78 273" = 84/90

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Rely On...



BLUE BIRD

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